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Permian climate change recorded in palynomorph assemblages of Mozambique (Moatize Basin, eastern Tete Province)

Götz A., Hancox P., Lloyd A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

Knowledge of Late Permian biodiversity patterns, following the end-Guadalupian crisis, is still in its infancy, since most recent studies have focused on the end-Permian biotic crisis. The palynological record of southern Africa, however, reveals major climatic changes during the Late Permian. Here we report new palynological data from eastern Tete Province of Mozambique, documenting the change from cool to warm temperate climates during the Lopingian. This prominent climate signal was also detected recently in other depositional environments elsewhere in southern Africa, and thus enables interregional temporal correlations.

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Keywords

Coal, Moatize Basin, Mozambique, Palaeoclimate, Palynology, Permian

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